KENWOOD

CD PLAYER

1050CD
104CD
103CD

INSTRUCTION MANUAL

KENWOOD CORPORATION

This instruction manual is used for three models.
Model availability and features (functions) may differ depending on the country and sales area.

COMPACT disc DIGITAL AUDIO

B60-3130-00 (SI) (K,P,Y) [TR]
98/12 11 10 9 8 7 6 5 4 3 2 1 97/12 11 10 9 8 7 6 5 4 3 2 1 96/12

Introduction

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.
Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.
We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

For the U.S.A.

CAUTION:

Use of controls adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

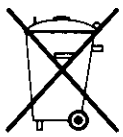
KENWOOD CORPORATION
2967-3, ISHIKAWA-CHO, HACHIOJI-SHI,
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT CONFORMS TO DHHS REGULATIONS NO. 21 CFR 1040.10, CHAPTER I, SUBCHAPTER J.

Location: Back Panel

REQUIREMENT BY NEDERLAND GAZETTE

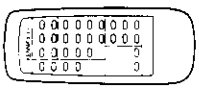
Batteries are supplied with this product. When they empty, you should not throw away. Instead, hand them in as small chemical waste.



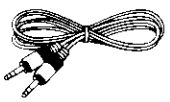
Accessories

Audio cord ..... (1)

Remote control unit...(1)
(Except for 103CD)



System control cord..... (1)



Batteries(R6/AA)...(2)
(Except for 103CD)

AC plug adaptor..... (1)

Accessory only for regions where use is necessary

The marking of products using lasers (Except for some areas)

**CLASS 1
LASER PRODUCT**

The marking is located on the rear panel and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

Contents

Caution : Read the pages marked ⚠ carefully to ensure safe operation.

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Special features

Adoption of mechanism that enables disc changing even during Playback ..... 4 other discs can be changed not only when the unit is stopped, but also during playback. →11

Featuring the convenient function to record CD tracks onto a tape ..... NORMAL EDIT:
The edit function changes the order of CD tracks according to the tape length so that no tune is interrupted. →18

MULTI EDIT:
Several CDs can be edited and recorded on 1 tape. →20

Before applying power

⚠ ***Caution : Read this section carefully to ensure safe operation.***

Units are designed for operation as follows.

U.S.A. and Canada ..... AC 120 V only
Australia ..... AC 240 V only
Europe and U.K. ..... AC 230 V only
China and Russia ..... AC 220 V only
***Other countries ..... AC 110-120 / 220-240 V switchable**

For the United Kingdom

Factory fitted moulded mains plug

1. The mains plug contains a fuse. For replacement, use only a 13-Amp ASTA-approved (BS1362) fuse.
2. The fuse cover must be refitted when replacing the fuse in the moulded plug.
3. Do not cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adapter, or consult your dealer. If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT : The wires in the mains lead are coloured in accordance with the following code :

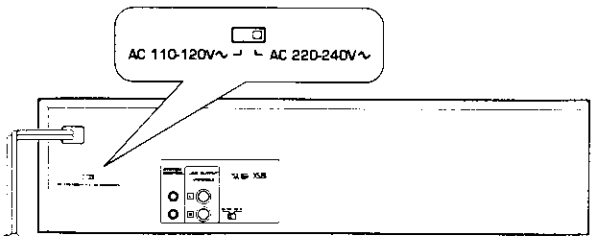
Blue : Neutral
Brown : Live

Do not connect those leads to the earth terminal of a three - pin plug.

***AC voltage selection**

The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

AC voltage selector switch



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

Note:
Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

Safety precautions

⚠ ***Caution : Read this section carefully to ensure safe operation.***

WARNING : TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

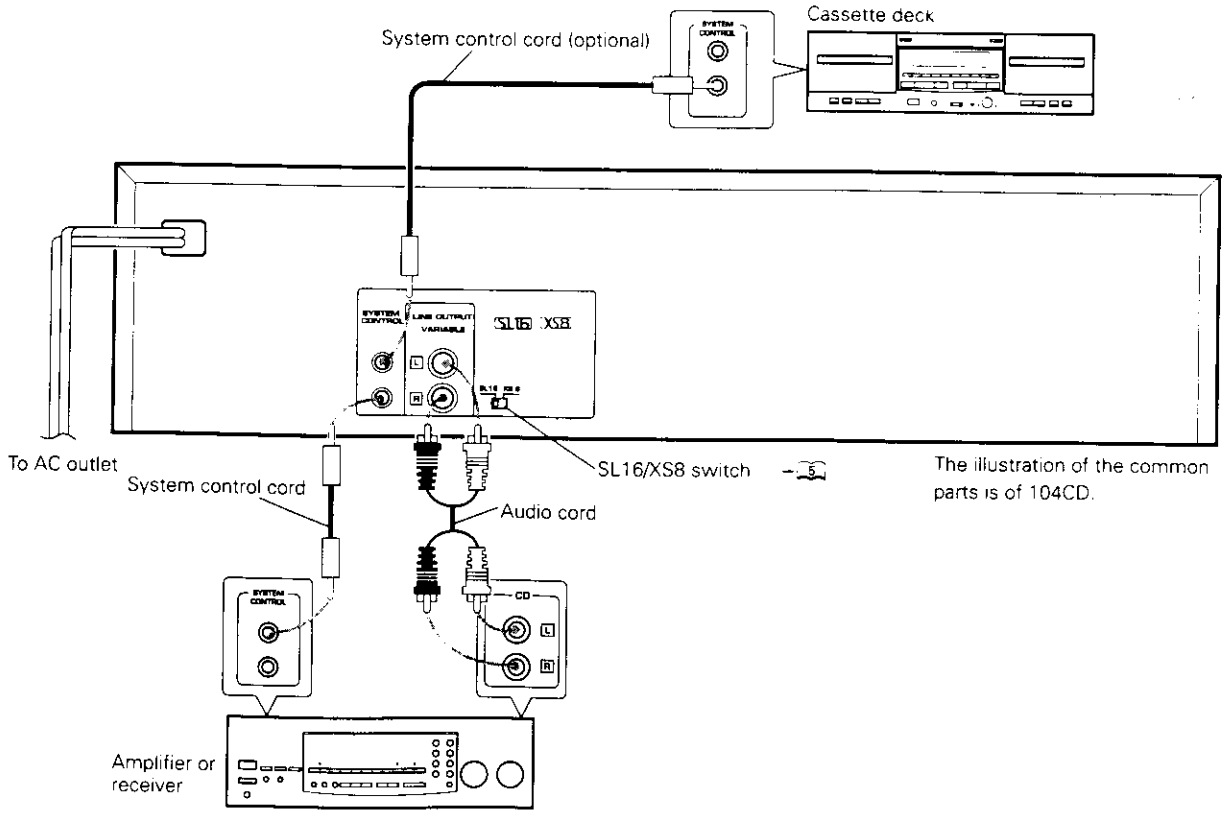
CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
	THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.
	THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

System connections

Make connections as shown below. When connecting the related system components, refer also to the instruction manuals of the related components.
Caution: Do not plug in the power lead until all connections are completed.

Malfunction of microcomputer

If operation is not possible or erroneous display appears even though all connections have been made properly, reset the microcomputer referring to "In case of difficulty". – 22



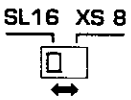
1. Connect all cords firmly. If connections are loose, there could be loss of sound or noise produced.
2. When plugging and unplugging connection cords, be sure to first remove the power cord from the AC outlet.
   Plugging/unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.

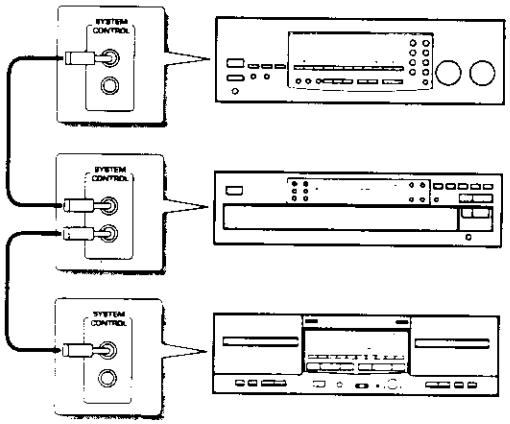
ABOUT THE SYSTEM CONTROL CONNECTIONS

Connecting system control cords after connecting a KENWOOD audio component system lets you take advantage of convenient system control operations.
There are two KENWOOD system control modes. Make connections according to the groups of terminal symbols shown below.

[XS8] Mode: lets you combine [XR], [XS], and [XS8] terminals
[SL16] Mode: for [SL16] terminals only

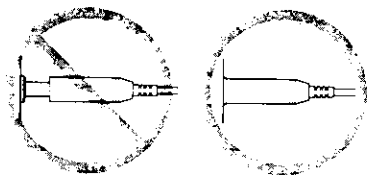
This unit is compatible with both [XS8] and [SL16] modes.
Select the mode according to the connected components. →4





● Do this operation after completing all connections.
(Ensure that the power is OFF.)

Notes:
1. If your amplifier or receiver does not have a system control terminal, do not connect any system control cords to the system control terminals on the other components.
2. Do not connect system control cords to any components other than those specified by KENWOOD. It may cause a malfunction and damage your equipment.
3. Be sure the system control plugs are inserted all the way in to the system control terminals.



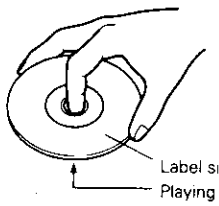
ABOUT THE SYSTEM CONTROL OPERATIONS

Remote Control
Lets you operate this unit with the system remote supplied with the amplifier or receiver.

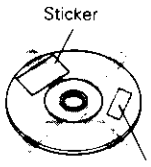
Automatic Operation (except [XR] equipment)
Automatically switches the input selector on the amplifier or receiver when you start playback from this unit.

Synchronized Recording (except [XR] equipment)
Lets you synchronize recording with the start of playback when recording from CD. Also the simple CCRS operation lets you make great recordings from CD.
See the instruction manual supplied with your cassette deck for details.

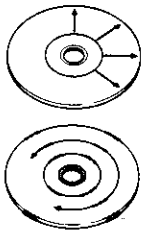
Disc handling precautions



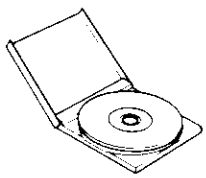
Handling
Hold compact discs so that you do not touch the playing surface.



- Do not attach paper or tape to either the playing side or the label side of compact discs.
- The paste left onthe label surface after a sticker has been peeled off is a factor which may cause malfunction. If the surface is sticky due to remaining paste, be sure to clean it with alcohol before use.

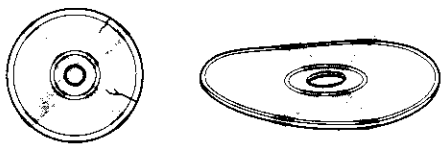


Cleaning
If fingerprints or foreign matter become attached to the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.



Storage
When a disc is not to be played for a long period of time, remove it from the CD player and store it in its case.

Caution on disc used



Never play a cracked or warped disc.
During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent.

Do not use cleaning discs.
Please do not use commercially available cleaning discs: they may damage the internal mechanism.

Discs which can be played with this unit

CD (12 cm, 8 cm), CDV (only the audio part)

- With CD-G (CD Graphics) discs, this unit can play only the audio.

Cleaning

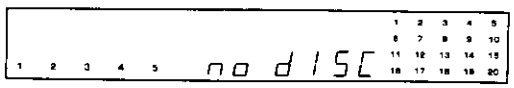
Do not use volatile solvents such as alcohol, paint thinner, gasolline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.

Do not use contact cleaners because it could cause a malfunction. Be specially careful against contact cleaners containing oil, for they may deform the plastic components.

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.
3. Press the ▲ OPEN/CLOSE key to open the disc tray completely.
4. Press the ▲ OPEN/CLOSE key again to close the disc tray.
5. Wait a few seconds and turn the power OFF.



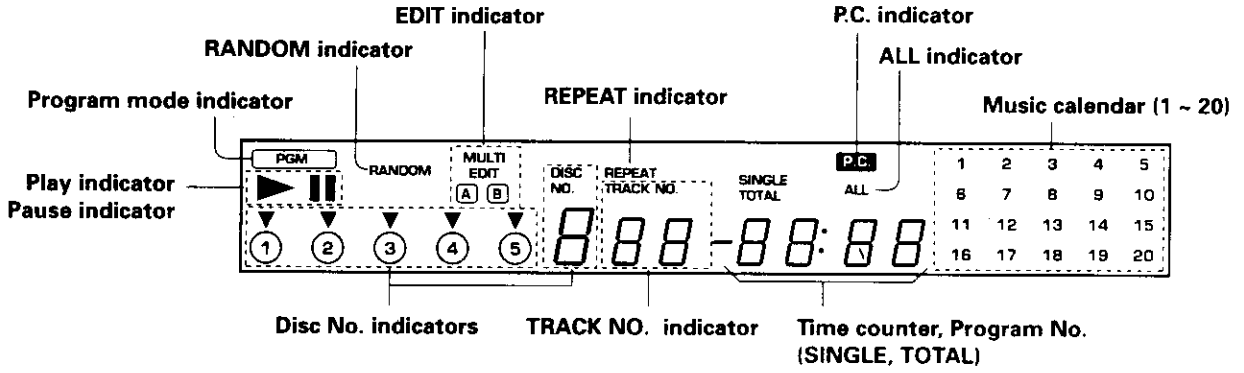
Beware of condensation

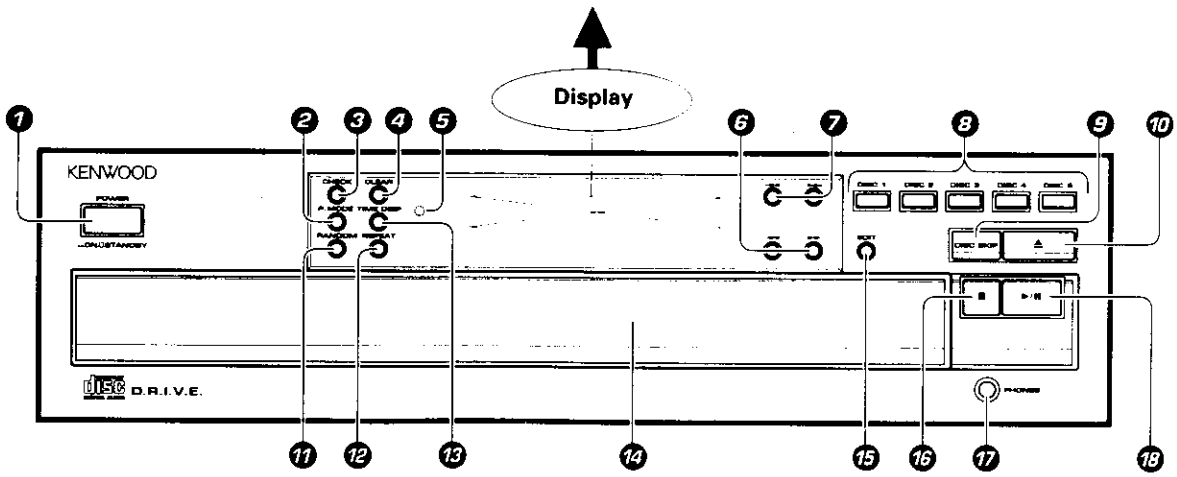
When water vapor comes into contact with the surface of cold material, water drops are produced.
If condensation occurs, correct operation may not be possible, or the unit may not function correctly.
This is not a malfunction, however, the unit should be dried.
(To do this, turn the POWER switch ON and leave the unit as it is for several hours.)

Be specially careful in the following conditions.

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and ambient temperature, or in conditions where condensation occurs easily.

Controls and indicators (1050CD)





- The keys with the same name as those on the remote control unit operate the same way as the remote control unit.

❶ **POWER** switch — →11
Press to turn on/off the power.

❷ **P.MODE** key — →12 →16

❸ **CHECK** key — →14 →19

❹ **CLEAR** key — →15

❺ Remote control light sensor — →10

❻ Search keys (◄◄, ►►) — →13

❼ Skip keys (I◄◄, ►►I) — →13
Press to find the beginning of the track.

❽ Disc selector keys (DISC1 ~ DISC5) — →12
Press to select the disc to be played.

❾ **DISC SKIP** key — →11 →12
Press to rotate the disc tray or to select the disc.

❿ Open/Close key (⏏) — →11
Press to open or close the disc tray.

⓫ **RANDOM** key — →17
Press to play the tracks in a random order.

⓬ **REPEAT** key — →19
Press to play the tracks repeatedly.

⓭ **TIME DISP.** key — →17
Press to switch the time indication mode.

⓮ Disc tray — →11
The discs to be played are loaded.

⓯ **EDIT** mode key — →18
Press to select the edit mode.

⓰ Stop key (■) — →12

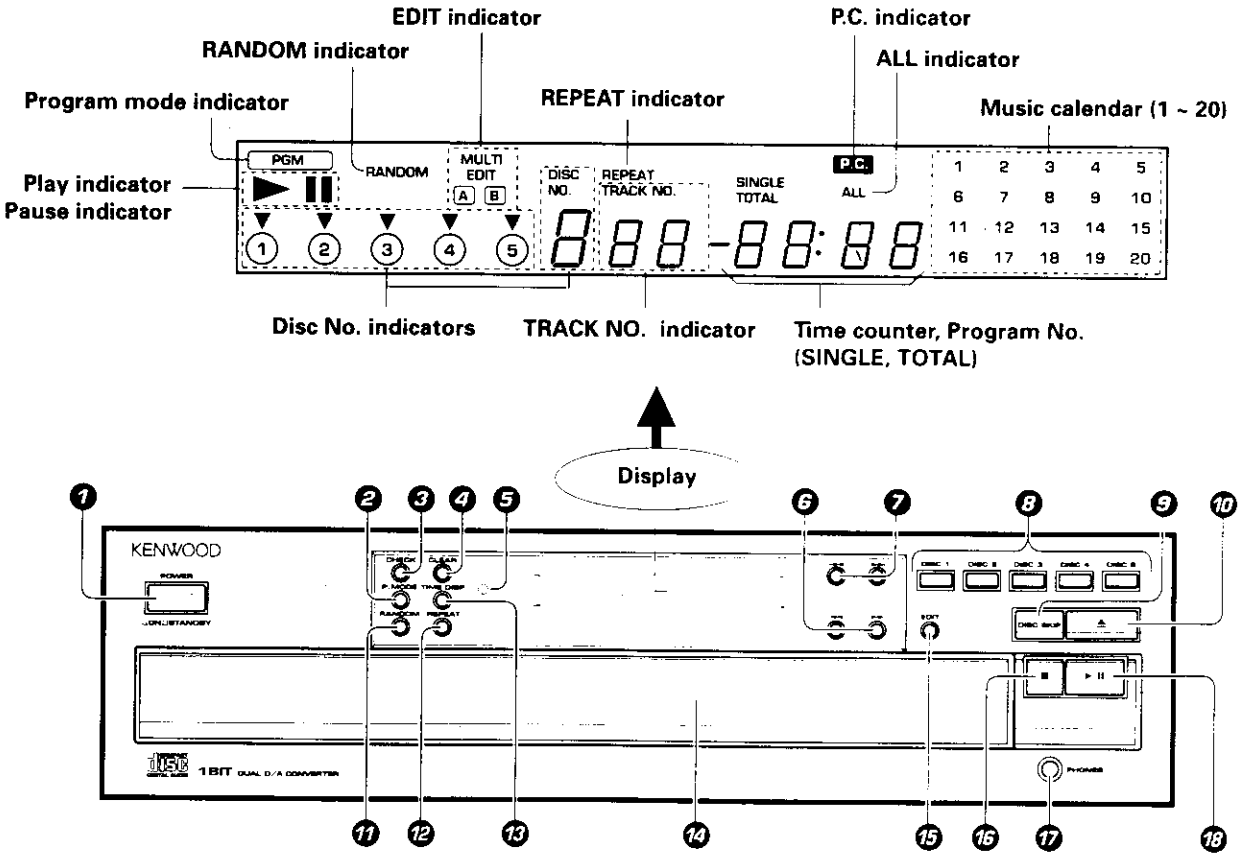
⓱ **PHONES** jacks — →13

⓲ Play/Pause key (►/II) — →12
Each time the key is pressed, playback and pause switch each other.

About the STANDBY mode of the POWER switch

When the power cord of this unit is plugged into an AC outlet, a small amount of current is being supplied to the unit even when the power is turned off. This is called the STANDBY mode.

Controls and indicators (104CD)



- The keys with the same name as those on the remote control unit operate the same way as the remote control unit.

❶ **POWER** switch →11
Press to turn on/off the power.

❷ **P.MODE** key →12, 16

❸ **CHECK** key →14, 19

❹ **CLEAR** key →15

❺ Remote control light sensor →10

❻ Search keys (◄◄, ►►) →13

❼ Skip keys (|◄◄, ►►|) →13
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The discs to be played are loaded.

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⓲ Play/Pause key (►/II) →12
Each time the key is pressed, playback and pause switch each other.

About the STANDBY mode of the POWER switch

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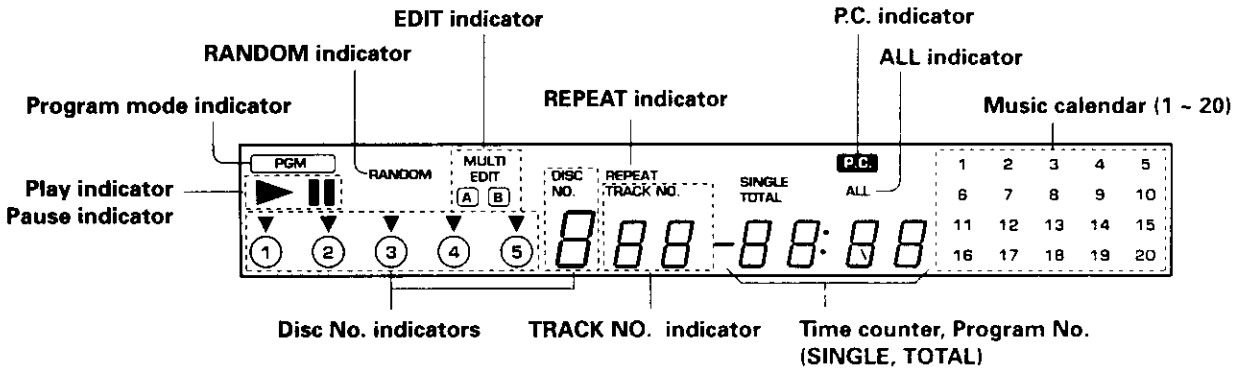
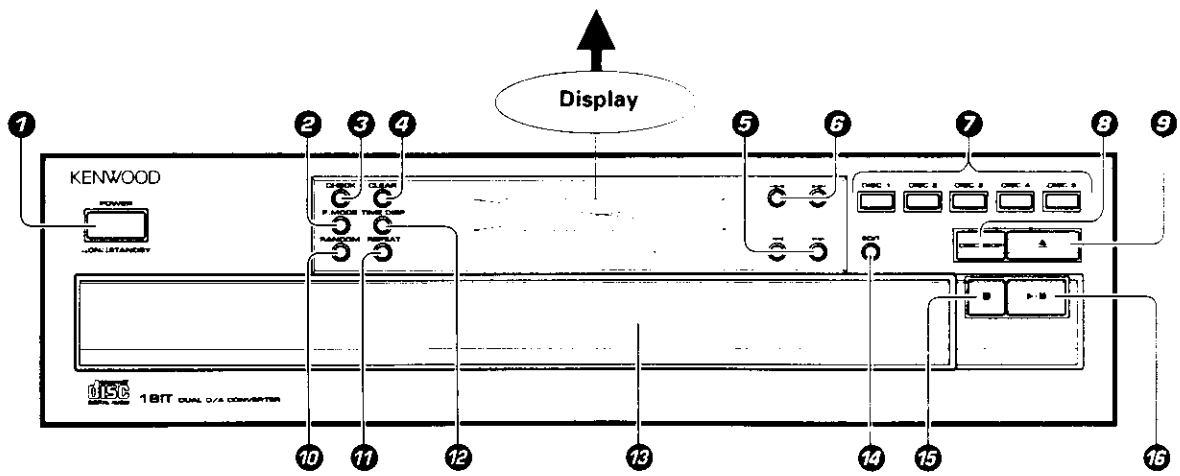
Controls and indicators (103CD)





❶ **POWER** switch →11
Press to turn on/off the power.

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❸ **CHECK** key →14, 19

❹ **CLEAR** key →15

❺ Search keys (◄◄, ►►) →13

❻ Skip keys (I◄◄, ►►I) →13
Press to find the beginning of the track.

❼ Disc selector keys (DISC1 ~ DISC5) →12
Press to select the disc to be played.

❽ **DISC SKIP** key →11, 12
Press to rotate the disc tray or to select the disc.

❾ Open/Close key (▲) →11
Press to open or close the disc tray.

❿ **RANDOM** key →17
Press to play the tracks in a random order.

⓫ **REPEAT** key →16
Press to play the tracks repeatedly.

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The discs to be played are loaded.

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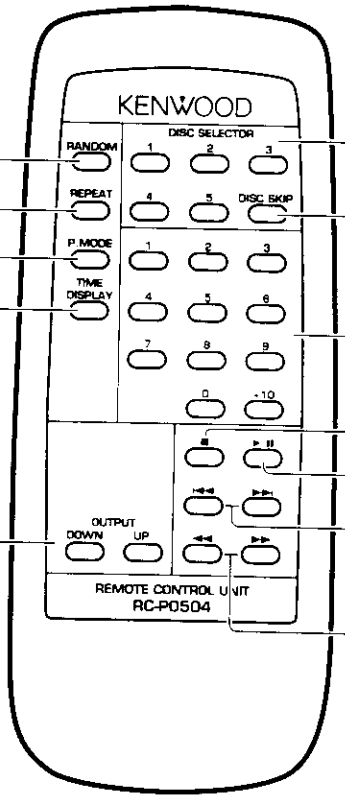
Each time the key is pressed, playback and pause switch each other.

About the STANDBY mode of the POWER switch

When the power cord of this unit is plugged into an AC outlet, a small amount of current is being supplied to the unit even when the power is turned off. This is called the STANDBY mode.

Operation of remote control unit (Except for 103CD)



RANDOM key

REPEAT key

P. MODE key

TIME DISPLAY key

* OUTPUT level keys (DOWN, UP)

DISC SELECTOR keys (1 ~ 5)

DISC SKIP key

* Numeric keys (1 ~ 0 , +10)

Stop key (■)

Play/Pause key (►/II)

Skip keys (|◄◄, ►►|)

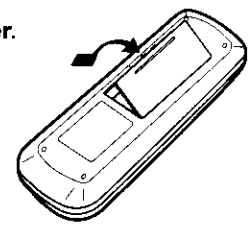
Search keys (◄◄, ►►)

Model: RC-P0504
Infrared ray system

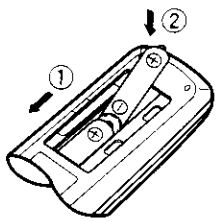
The keys with the same name as those on the main unit operate the same way as the main unit.
The *-marked keys are only on the remote control unit.

■ Loading batteries

1 **Remove the cover.**

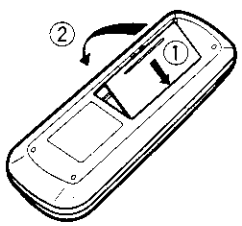


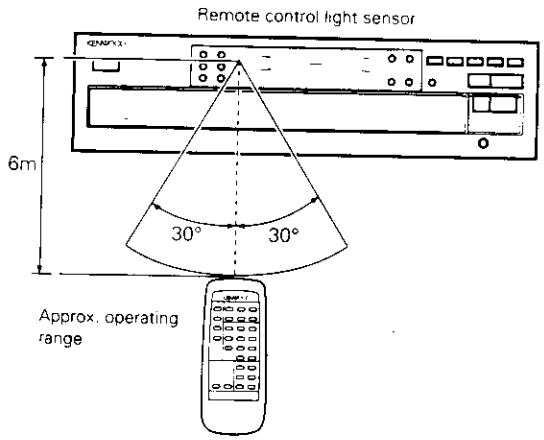
2 **Insert batteries.**



Insert two AA-size (R6/SUM-3) batteries as indicated by the polarity marking.

3 **Close the cover.**





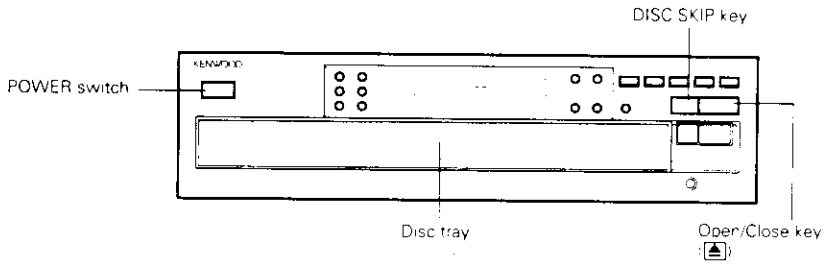
●When two operation keys on the remote control unit are pressed successively, press each key securely reserving an interval of more than 1 second for each press.

Notes:

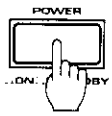
1. The supplied batteries are intended for use in operation checks. Therefore, their lives may be shorter than ordinary batteries.
2. When the remote-controllable distance gets shorter than before, replace both batteries with new ones.
3. Malfunction may occur if direct sunlight or the light of a high-frequency lighting fluorescent lamp enters the remote control light sensor. In such a case, change the system installation position to prevent the malfunction.

Loading/unloading discs

Hereafter the illustration of the common parts on the front panel is of 104CD.

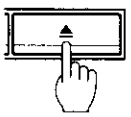


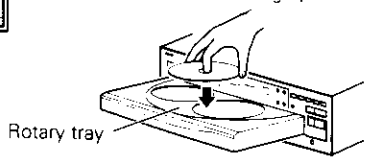
1 Press the POWER switch to ON.



2 Load a CD.

① Open the disc tray. ➡ ② Place a disc on the tray.

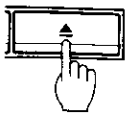




Hold the disc taking care not to touch the side to be played.

- When inserting three or more discs, use the DISC SKIP key to rotate the tray. Up to five discs may be inserted.
- When inserting a disc while the tray rotates, a malfunction might occur. Insert the disc when the tray does not rotate.

3 Close the tray.



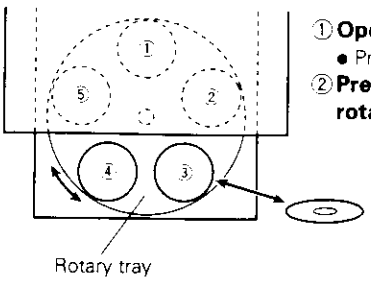
All disc indicators "○" light regardless of how many discs are present.

■ Changing discs

During playback:

① Open the disc tray.
- Press the ⏏ key.

② Change discs.
- During playback of disc ①, discs ③ and ④ can be changed.
- When changing disc ② or ⑤, press the DISC SKIP key and rotate the rotary tray.

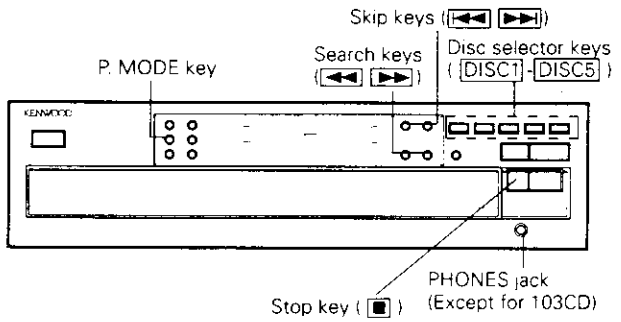


When the unit is stopped:

① Open the disc tray.
- Press the ⏏ key.

② Press the DISC SKIP key, rotate the rotary tray, and change discs.

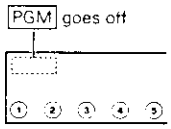
Listening from the first track



1 Make sure the PGM indicator is extinguished.

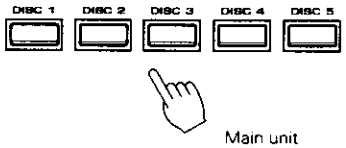
Press the key in the stop mode.

Each time the key is pressed, the setting changes.
1) PGM lights.
2) Goes off.



2 Start playback.

Select the disc.

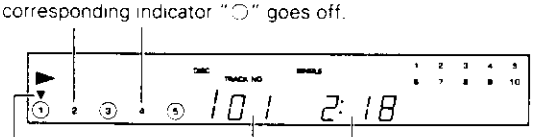


Main unit

or

Remote control unit (Except for 103CD)

If there is no disc in the selected disc tray, the corresponding indicator "○" goes off.



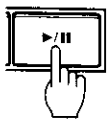
Disc indicator during Playback (▼)

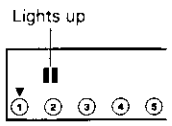
Track No. being played

Elapsed time from the beginning of track being played

- Play will commence from the disc selected. When two or more discs are inserted, the discs will be played in ascending order from disc 1.
- When the [▶/II] key is pressed without selecting a disc, playback will start from the indicated DISC NO.

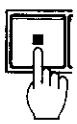
To pause





- Each time the key is pressed, pause and play switch each other.

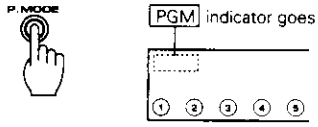
To stop playback



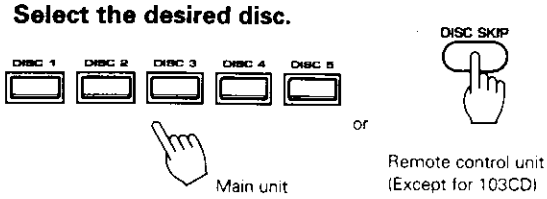
About D.R.I.V.E. (1050CD only)
1050CD is equipped with the D.R.I.V.E. (Dynamic Resolution Intensive Vector Enhancement) IC (integrated circuit) which improves the distortion at its microscopic level.
You can enjoy CD playback with very smooth sound.

■ Listening from the desired track

1 Make sure the PGM indicator is extinguished.



2 Select the desired disc.

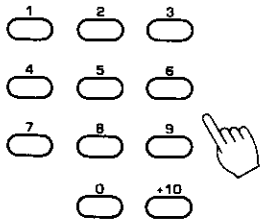


3 Select the desired track.

Main unit

- Keep pressing the key control the desired track number is selected.

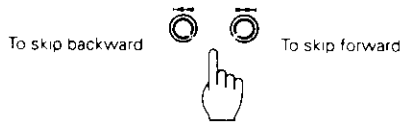
Remote control unit
(Except for 103CD)



Examples of input
Track No.7 : [7]
Track No. 11 : [+10] [1]
Track No. 20 : [+10] [+10] [0]

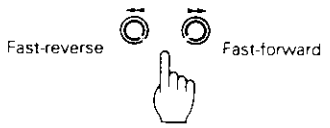
- Play starts from the selected tune and after.

To skip tracks



- When the [⏮] key is pressed once during play, the track starts again from the beginning.

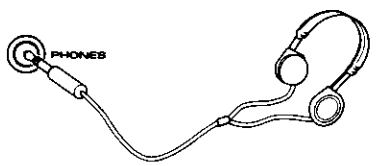
To fast forward and backward



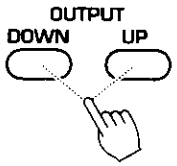
- The track will start to play from where you release the key.

■ Listening through headphones (Except for 103CD)

1 Insert the headphone plug into the headphones jack.



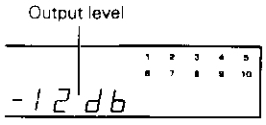
2 Adjust the volume.



Adjusting the output levels of the output jacks and headphone output

The [OUTPUT] level (DOWN, UP) keys of the remote control unit can adjust the output levels from the AUDIO OUTPUT and PHONES jacks of the unit.

- It is not favorable for the sound quality to decrease the output level from this unit too much.
- Adjusting the headphone output level also changes the AUDIO OUTPUT level. Be careful in operating these keys particularly during recording.
- Note that the headphone output level and the AUDIO OUTPUT level becomes maximum when the power is turned on.



Displayed for about 2 seconds

Programmed play (PGM mode)

The program mode allows you to play desired tracks in the order you want to hear them. A maximum of 32 selections can be entered in memory.

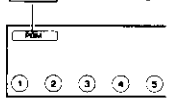
■ Playing desired tracks in desired order

Preparation: Press the ■ key to set the unit in the stop mode.

1 Enter the PGM mode.

Each time the key is pressed, the setting changes.
- ① PGM lights.
- ② Goes off.

PGM indicator lights up.



Go to step 2 within 8 seconds.

2 Program desired tracks in desired order.

① Select the disc.

Main unit

or

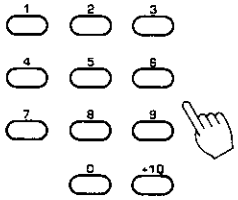
Remote control unit (Except for 103CD)

Go to step ② within 8 seconds.

② Select the track number.

Main unit

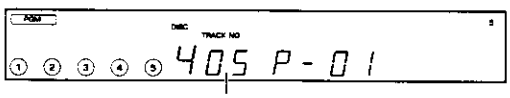
Remote control unit (Except for 103CD)



Examples of input
Track No. 11 : +10 1

Go to step ③ within 8 seconds.

③ Press the P.MODE key.



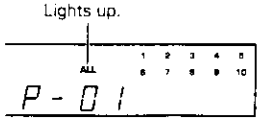
Track number

- By repeating steps ①, ②, and ③, up to 32 tracks may be selected. If "FULL" is displayed, no further programming can be accepted.
- If you made a mistake, press the CLEAR key and select the correct track.

To program all tracks on a disc:

① Select the desired disc.
② Press the P. MODE key again.

Lights up.

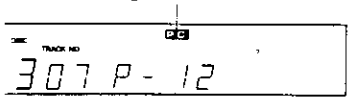


3 Start playback.

- If the ►► is pressed during programmed playback, the track being played is skipped in the next programmed track.

To check the programmed order

PC indicator lights up

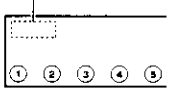


Display showing program No. 12, DISC 3, track No. 7.

- Every time the CHECK key is pressed, the track No. and the order it was programmed (P-No.) are displayed in the order of programming.
- The previous display will resume in a few seconds.

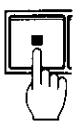
To resume normal playback

PGM goes off.



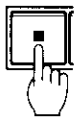
- The playback in the order of the track Nos. on CD will start after the track being played.

To stop programmed playback



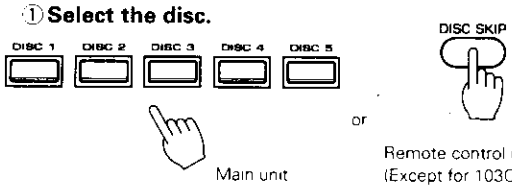
■ To add a track to the program

1 **Press the stop key.**



2 **Select the track No. to be added.**

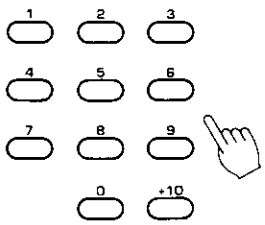
① **Select the disc.**



② **Select the track number.**

Main unit

Remote control unit
(Except for 103CD)



Examples of input
Track No. 20 : [+10] [+10] [0]

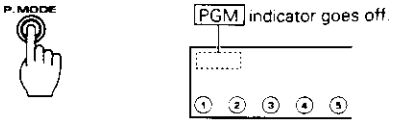
③ **Press the P.MODE key.**

■ To clear tracks from the program

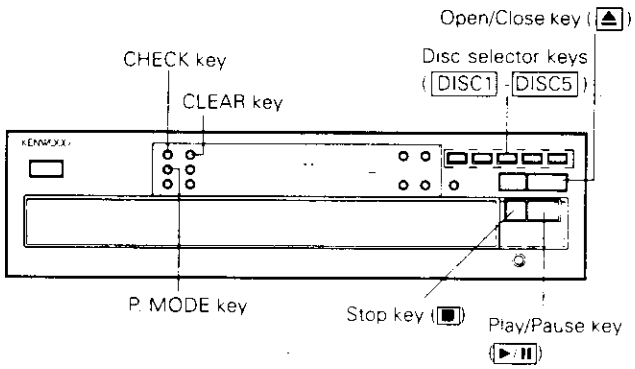
Clearing from the last track

- Every time the key is pressed, tracks are cleared from the last track in order.
- The tracks which are programmed earlier than the track being played cannot be cleared.

Clearing the whole program



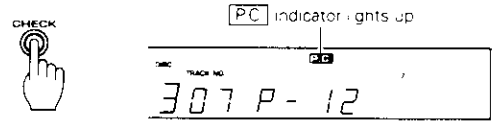
- Selected tracks can be also completely cleared just by pressing the [⏏] key.



■ To change a track in the program

Preparation: Press the [■] key to set the unit in the stop mode.

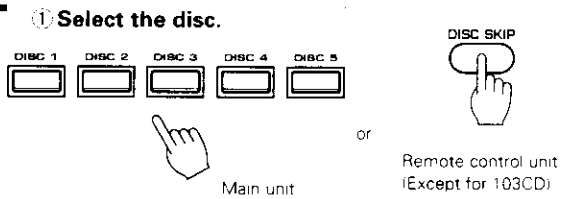
1 **Press the CHECK key.**



- Press until the P-NO. to be changed is displayed

2 **Select the track No. to replace the previous one.**

① **Select the disc.**

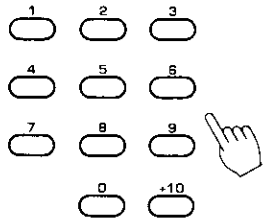


Press the key while the [P.C.] indicator is lit.

② **Select the track number.**

Main unit

Remote control unit
(Except for 103CD)



Examples of input
Track No. 11 : [+10] [1]

Press the key while the [P.C.] indicator is lit.

③ **Press the P.MODE key.**

Auto-Space function

In the program mode, a space of several seconds is inserted automatically between the programmed tracks (only for music CDs). This function is provided to facilitate the DPSS function of the cassette deck. However, such a space may also be inserted in case the sound of two tracks are continued, for example with some classic music and live recordings.

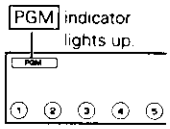
■ Repeated playback

Preparation: Press the ■ key to set the unit in the stop mode.

One-disc repeat

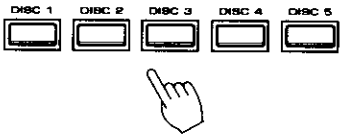
1 Enter the PGM mode.

Each time the key is pressed, the setting changes.
- ① PGM lights.
- ② Goes off.



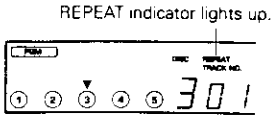
2 Select the desired disc.

① **Select the disc.**



② **Press the P.MODE key.**

3 Press the REPEAT key.

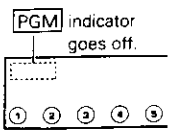


4 Start playback.

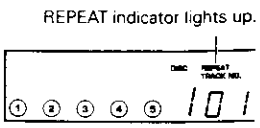
All-disc repeat

1 Make sure the PGM indicator is extinguished.

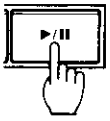
Each time the key is pressed, the setting changes.
- ① PGM lights.
- ② Goes off.



2 Press the REPEAT key.



3 Start playback.

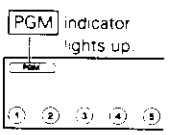


- All tracks on all discs in the tray will be played repeatedly.

Repeated playback of programmed tracks

1 Enter the PGM mode.

Each time the key is pressed, the setting changes.
- 1 PGM lights.
- 2 Goes off.



2 Select the desired track(s).

① **Select the disc.**

Main unit

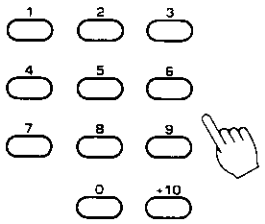
or

Remote control unit (Except for 103CD)

② **Select the track number.**

Main unit

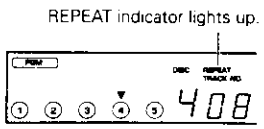
Remote control unit (Except for 103CD)



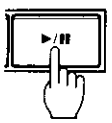
③ **Press the P.MODE key.**

- By repeating steps ①, ②, and ③, up to 32 tracks may be selected.
- If only one track is selected, that track will be played repeatedly.

3 Press the REPEAT key.

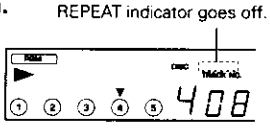


4 Start playback.



To stop repeat play

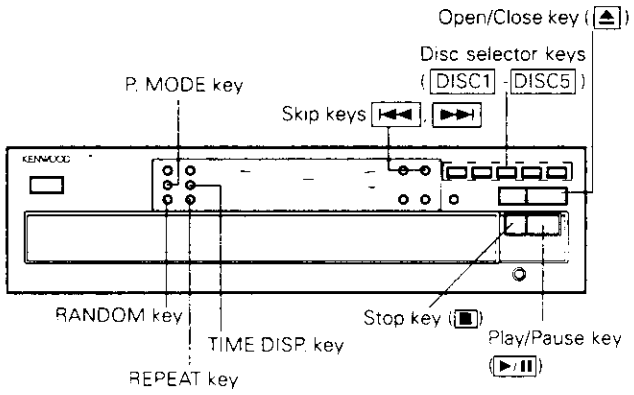
Press the REPEAT key again.



- Repeat play is cancelled when the ⏏ key is pressed.

Random play

The random play function chooses tracks at random (non-selected), and in differing order.

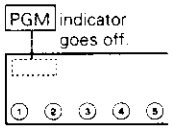


■ Playing tracks in a random order

Preparation: Press the ■ key to set the unit in the stop mode.

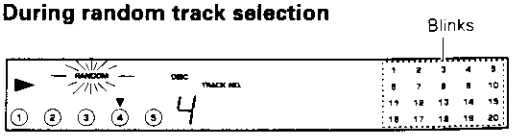
1 Make sure the PGM indicator is extinguished.

Each time the key is pressed, the setting changes.
- ① PGM lights.
- ② Goes off.

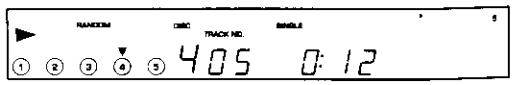


2 Press the RANDOM key.

During random track selection

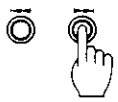


To select another track during random play



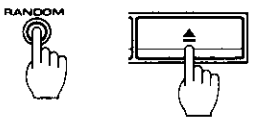
- Tracks from all the disc(s) in the tray will be played randomly.
- When the first track has been played, another track is selected at random again, and played.
- Random play stops after all of the tunes have been played once.
- If the REPEAT key is pressed, random play operation is repeated continuously.

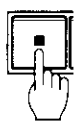
To select another track during random play



To cancel random play

Press any one of these keys.



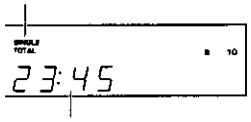


- Normal play starts from the track being played.
- Playback stops.

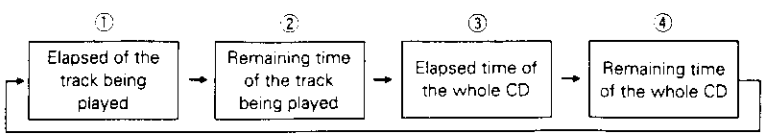
About TIME DISPLAY

Press the TIME DISP. key when you want to check the elapsed time and remaining time of the track being played. Every time the TIME DISP. key is pressed, the displayed time changes as shown below.
However, only the display ① and ② will be displayed during random play, programmed play and EDIT mode.

①, ② : SINGLE lights
③, ④ : TOTAL lights



Time display examples 1:23



-2:37 23:45 -36:15

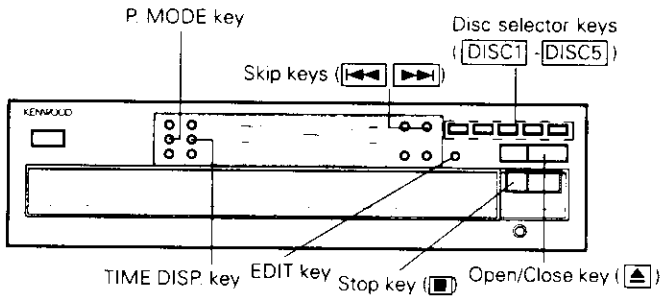
Editing (EDIT)

Normal EDIT: Edit from one disc.
MULTI EDIT: Edit and record from several discs.

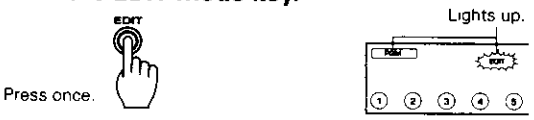
■ Normal EDIT

This function is for editing when you are recording the contents of a CD onto a tape. It is to ensure that the final track on each side of the tape is fully recorded and that the possible recording time on the tape will be fully used.

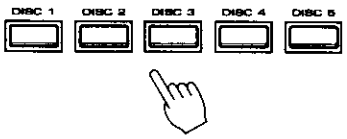
Preparation: Press the [■] key to set the unit in the stop mode.
Make sure the PGM indicator is extinguished.
→12



1 Press the EDIT mode key.

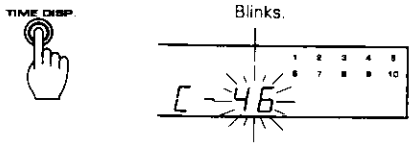


2 Select the disc to be edited (one disc only).



- The edit function cannot be used for two or more discs.

3 Input the recording time of the tape.

① 

- By pressing the [TIME DISP.] key the set time-length intervals will change in this order: 46→54→60→90→ - -
- The interval length can be adjusted with the skip keys [◄◄] and [►►] in units of one minute (to a maximum of 99 minutes).

[►►] : increase by one minute.
[◄◄] : decrease by one minute.

② **Press the EDIT mode key once again.**

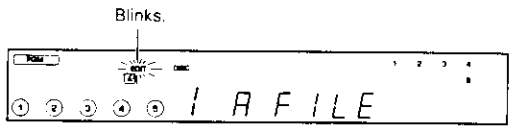
Entry of the tape time with the numeric keys: Except for 103CD

Press the numeric keys as shown below.
30-minute tape: [+10] [+10] [+10] [0]
46-minute tape: [+10] [+10] [+10] [+10] [6]

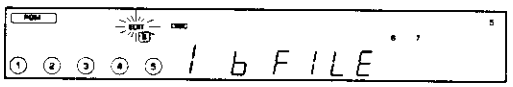
- When the interval length has been set using the numeric keys, the [EDIT] key does not have to be pressed after the interval has been set.

The CD contents are edited as follows.

(1) The input tape recording time is divided by two, and tracks that can be accommodated in file A (which refers to tracks on tape side A) are selected in order of their track Nos.

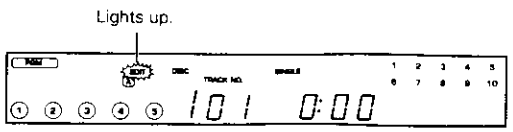


(2) In a few seconds, the time left on tape side A is displayed, then file B (tracks on tape side B) is edited in the same manner.

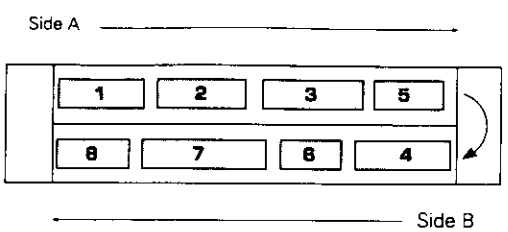


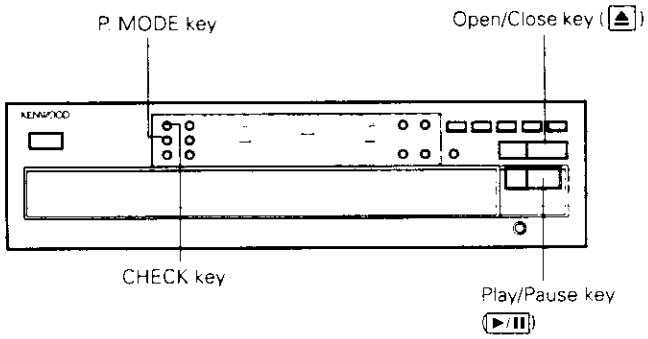
- If the [■] key or [▲] key is pressed during editing, editing will be suspended and the function will be terminated.

Completion of editing



The order of CD tracks are changed automatically so that no tunes is interrupted at the end of tape sides A and B.





■ To check the edited contents

Press the CHECK key.

P. C. indicator lights up.

During normal EDIT:
When the CHECK key is pressed, the track Nos. of edited songs will automatically be displayed in the order they are edited.

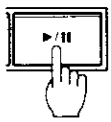
During MULTI EDIT:
Every time the CHECK key is pressed, the track Nos. are displayed in the edited order.

■ To play an edited program

① To play the A file:

The tunes in the A file are played in sequence and the player enters pause mode at the beginning of the B file.

② To play the B file:



- Playback stops after having played the B file.

■ To record an edited program

The CCRS recording function may be used by connecting the CD player to any KENWOOD cassette deck with an "[XS], [XS8], [SL16]" mark, using a system control cord.
For details please refer to "Recording of CD playback" section in your cassette deck instruction manual.

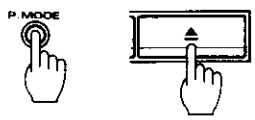
CCRS display

- If you have a cassette deck capable of Double-speed recording, use Normal-speed recording.

■ To clear the edited contents

Normal EDIT:

Press either of these keys.



Press the key in the stop mode.

- Pressing the CLEAR key also clears the edited contents.

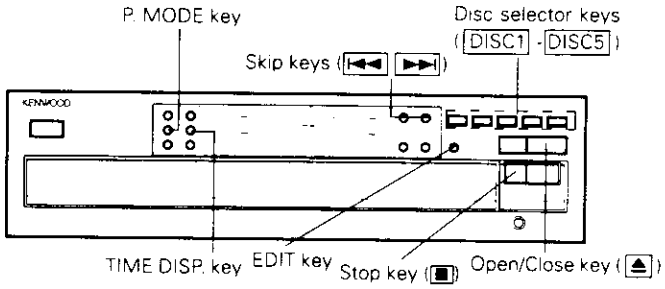
MULTI EDIT:

Notes:
1. While you can edit with a different time setting to that of the tape you are using, part of the tape may be left with nothing recorded on it, or the last track on side A or side B may be cut short.
2. The EDIT function may not operate properly for discs having only one track or having tracks of long duration such as classical music.

■ MULTI EDIT

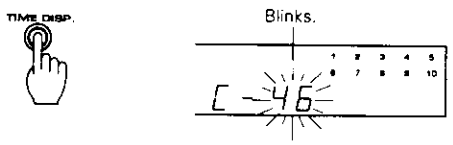
Several CDs can be edited and recorded on 1 tape. Choose songs from each disc, and edit/record while cofirming the remaining time on files A and B, respectively.

Preparation: Press the [■] key to set the unit in the stop mode.
Make sure the PGM indicator is extinguished.
→12



1 Press the EDIT mode key.

2 Input the recording time of the tape.

① 

- By pressing the [TIME DISP.] key the set time-length intervals will change in this order: 46→54→60→90→ - -
- The interval length can be adjusted with the skip keys [◄◄] and [►►] in units of one minute (to a maximum of 99 minutes).

[►►] : increase by one minute.
[◄◄] : decrease by one minute.

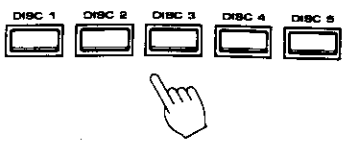
② Press the EDIT mode key once again.

Entry of the tape time with the numeric keys: Except for 103CD

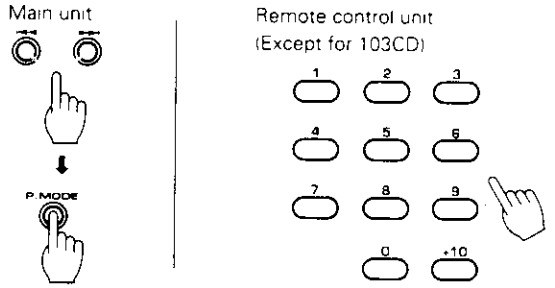
Press the numeric keys as shown below.
30-minute tape: [+10] [+10] [+10] [0]
46-minute tape: [+10] [+10] [+10] [+10] [6]

- When the interval length has been set using the numeric keys, the [EDIT] key does not have to be pressed after the interval has been set.

3 Select the disc to be edited (one disc only).



4 Select the tracks to be recorded.

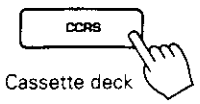


- If you made a mistake, press the [CLEAR] key and select the correct track.
- The time remaining on side A or side B is indicated on the display.
- When the time left on side A is less than the play time of the selected song, that song will be programmed on side B.
- If "b-FULL" is displayed, no further programming can be accepted.

5 Start recording.

When recording with a cassette deck equipped with CCRS function:

Press the CCRS key.



- With the CCRS function, the recording starts after about 1 minute.
- If you have a cassette deck capable of Double-speed recording, use Normal-speed recording.

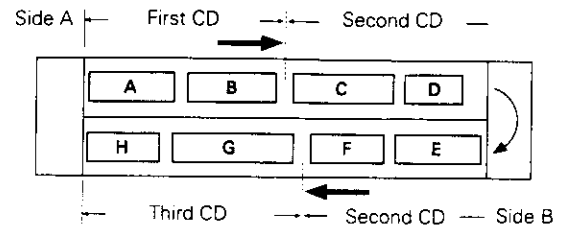
When recording with a normal cassette deck:

① Adjust the recording levels.
② Press the record key.
③ Play the CD.

When recording the 2nd and 3rd discs, repeat steps 3–5.

- Change discs and, if the "b-01" indication is given when you first select a song, turn the tape to the start of side B.

Recording occurs as shown below (example when three CDs are to be recorded).

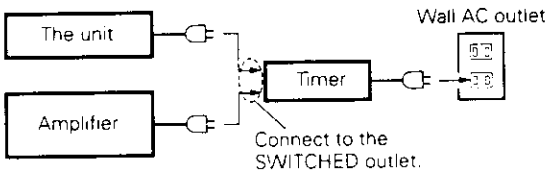


Timer operation

With this function and commercially-available audio timer, playback can be started at the desired time.

1 Connect the power cord.

- Connect each unit's power cord to the SWITCHED outlet of the timer.
- Refer to the instruction manual of the timer.



2 Turn on the amplifier and the unit.

3 Insert a disc and set the starting time of the timer.

- Set the timer while the unit and the amplifier are ON.
- Be careful of the volume setting of the amplifier. (The loud sound may damage the speakers.)

Playback starts at the set time.

Note:
When operating the unit other than CD player using an audio timer, be sure to remove the disc from the CD player.

In case of difficulty

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following method to reset the microcomputer and return it to normal condition.

Unplug the power cord from the power socket and plug the power cord into the socket again.

Symptom	Cause	Remedy
No power is applied with the POWER switch ON.	• Power plug is loosely connected. • With the power plug connected to the switched AC outlet of an amplifier, the power of the amplifier is turned off.	• Insert the power plug firmly to the AC outlet. • Turn the amplifier's power ON.
Disc is loaded, player does not play.	• Disc is loaded upside down. • Disc is loose. • Disc is dirty. • Disc is cracked. • Condensation occurred on the optical lens unit.	• Load the disc again with its label side up. • Insert disc properly. • Wipe off the dust on the surface of the disc referring to "Disc handling precautions". • Replace the disc with a new one. • Leave the player for about 1 hour so that the condensation is removed.
No sound.	• Play mode is not entered. • Disc is too dirty. • Disc is cracked. • The connection cords are inserted loosely.	• Press the ▶/II key. • Wipe off the dust on the disc surface referring to "Disc handling precautions". • Replace the disc with a new one. • Connect all connection cords firmly.
Music is interrupted. (Sound is skipped.)	• Disc is too dirty. • Disc is cracked. • Oscillation is applied to this unit.	• Wipe off the dust on the disc surface referring to "Disc handling precautions". • Replace the disc with a new one. • Try selecting a place where no strong vibrations occur by changing the installation place, etc.
Disc begins to play when power is switched ON.	• The CD player will automatically play when a disc has been inserted and power is switched ON.	• To avoid disc playing automatically, remove disc before switching off power.

Specifications

1050CD

[Format]
System ..... **Compact disk digital audio system**
Laser ..... **Semiconductor laser**

[D/A convertors]
D/A conversion ..... **1 Bit**
Oversampling ..... **8 fs (352.8 kHz)**

[Audio]
Frequency response ..... **4 Hz ~ 20 kHz, ±0.5 dB**
Signal to noise ratio ..... **More than 100 dB**
Dynamic range ..... **More than 95 dB**
Total harmonic distortion + noise
..... **Less than 0.004% (at 1kHz)**
Wow & flutter ..... **Unmeasurable limit**
Output level/impedance
Variable ..... **(max.) 2.0 V/0.8 kΩ**
Headphone output (max.) ..... **20 mW (32 Ω)**

[General]
Power consumption ..... **13 W**
Dimensions ..... **W : 440 mm (17-5/16")**
H : 125 mm (4-15/16")
D : 397 mm (15-5/8")
Weight (Net) ..... **5.0 kg (11.0 lb)**

104CD/103CD

[Format]
System ..... **Compact disk digital audio system**
Laser ..... **Semiconductor laser**

[D/A convertors]
D/A conversion ..... **1 Bit**
Oversampling ..... **8 fs (352.8 kHz)**

[Audio]
Frequency response ..... **4 Hz ~ 20 kHz, ±0.5 dB**
Signal to noise ratio ..... **More than 95 dB**
Dynamic range ..... **More than 95 dB**
Total harmonic distortion + noise
..... **Less than 0.008% (at 1kHz)**
Wow & flutter ..... **Unmeasurable limit**
Output level/impedance
Fixed (103CD) ..... **2.0 V/0.8 kΩ**
Variable (104CD) ..... **(max.) 2.0 V/0.8 kΩ**
Headphone output (max.)
(104CD only) ..... **20 mW (32 Ω)**

[General]
Power consumption ..... **13 W**
Dimensions ..... **W : 440 mm (17-5/16")**
H : 125 mm (4-15/16")
D : 397 mm (15-5/8")
Weight (Net) ..... **5.0 kg (11.0 lb)**

Note:
KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

For the U.S.A.
FCC WARNING:
This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determinded by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

KENWOOD

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on the product.

Model _____ Serial Number _____